

ABSTRACT

A viscometer including a thermal block, a thermo device to control temperature of the thermal block, a temperature sensor to sense temperature of the thermal block, a capillary tube embedded in the thermal block such that the capillary tube is in thermal contact with the thermal block, an entrance tube connected to the capillary tube and embedded in the thermal block, a velocity tube connected to the capillary tube and embedded in the thermal block and at least two flow sensors aligned along the velocity tube adapted to measure velocity of the test specimen in the velocity tube.